



REPLACEMENT SHEET

Stokesia	1				50
Vernonia	~~~~~	~~~~~	GTAGGTTTTG	GGTGTCCGGTG	AGATCAGTGT
Crepis	TTATGAAAGC	TCGATCCGGTG	TTTCGATCAAT	TCAAATCGAC	GAACACGAAA
	~~~~~	~~~~~	~~~~~	~~~~~	~~~~~
Stokesia	51				100
Vernonia	TCGACCGAAA	TCCAACGCAT	TTTCTAATTT	GGATTTCAGA	AATCTGGGAG
Crepis	TCGAACTCAA	CAATTCAAAT	CTGGAAATAT	TAATTGGATC	AAGCGGGCGG
	~~~~~	~~~~~	~~~~~	~~~~~	~~~~~gagaag
Stokesia	101				150
Vernonia	AAGGTAGCAG	AATGTCGGAT	TCATATGATG	ATC.....GAATG
Crepis	A...TATGAT	GATGTCGGAT	TCATGTGATG	ATCATGATCA	GCTGGTGAAA
	ttgaccataa	atcattttatc	aacatgggtg	ccggcgggtcg	tggtcggaca
Stokesia	151				200
Vernonia	AAAGATCATG	ATATGGACGA	ACGAGCCCCG	ATTGATCCGG	CGCCATTCTC
Crepis	GATGATCATA	ATATAAACGA	ACGTGCACCG	GTTGATGCGG	CACCATTCTC
	tcggaaaaat	cggtcatgga	acgtgtctca	gttgatccag	taaccttctc
Stokesia	201				250
Vernonia	GTTAAGTGAT	CTAAAGAAAG	CAATCCCTGC	ACATTGCTTC	CGGCGATCCG
Crepis	GTTAAGCGAT	CTAAAGAAAG	CAATCCCTCC	GCATTGCTTC	CAGCGATCTG
	actgagtga	ttgaagcaag	caatccctcc	ccattgcttc	cagagatctg
Stokesia	251				300
Vernonia	CCGTCTGGTC	ATCCTGCTAC	GTAGTTCAGG	ATCTCATTAT	CACCTTCCTT
Crepis	CCATCCGTTT	ATCGTGCTAC	GTTGTTTCAGG	ATCTCATTAT	TACCTTCCTT
	taatccgctc	atcttactat	gttgttcaag	atctcattat	tgccctacac
Stokesia	301				350
Vernonia	TTATACACGG	TCGCCAACAC	CTACATTCTT	CACCTCCCTC	CTCCTCTAGT
Crepis	TTATACACGC	TCGCCAACTC	TTACATTCTT	CTTCTTCCTC	CTCCTCTACC
	ttctacttcc	ttgccaacac	atatatccct	actcttccta	ctagtctagc
Stokesia	351				400
Vernonia	TTACTTAGCA	TGGCCGGTTT	ACTGGTTTTG	CCAATCTTGC	ATCCTCACTG
Crepis	TTACTTAGCA	TGGCCTGTTT	ACTGGTTTTG	CCAATCTTCG	ATCCTCACTG
	ctacttagct	tggcccgttt	actggttctg	tcaagctagc	gtcctcactg
Stokesia	401				450
Vernonia	GTTTATGGGT	CCTCGGCCAT	GAATGCGGCC	ATCATGCCTT	TAGTGAGTAC
Crepis	GTTTATGGGT	CATTGGCCAT	GAATGTGGCC	ATCATGCTTA	TAGTGAGTAC
	gcttatggat	cctcggccac	gaatgtggtc	accatgcctt	tagcaactac
Stokesia	451				500
Vernonia	CAGTGGATTG	ATAACGCCGT	TGGATTTCGTC	CTCCATTCCG	CTCTCCTCAC
Crepis	CAGTGGGTTG	ATAACACCGT	TGGATTTCATC	CTCCATTCTT	TTCTTCTCAC
	acatggtttg	acgacactgt	gggcttcatc	ctccactcat	ttctcctcac
Stokesia	501				550
Vernonia	CCCTTACTTT	TCTTGGAAT	ACAGCCATCG	AAAGCACCAT	GCAAACACAA
	ACCTTACTTT	TCTTGGAAT	ACAGCCATCG	AAAGCACCAT	GCCAACACGA

Figure 1A

REPLACEMENT SHEET

Crepis	cccgtatttc tcttggaat tcagtcaccg gaatcaccat tccaacacaa	
	551	600
Stokesia	ATTCACTCGA AAACGAGGAA GTTTACATTC CTAGAACTCA GTCCCAGCTC	
Vernonia	ATTCACTCGA AAACGAGGAG GTTTACATTC CTAAAGCCAA GTCCCAGCTC	
Crepis	gttcgattga taacgatgaa gtttacattc cgaaaagcaa gtccaaactc	
	601	650
Stokesia	AGGACTTACT CCACATACGA ATTTCTTGAC AACACGCCTG GTCGAATCCT	
Vernonia	AGGAATTACT CCAATTTCAA ATTTCTTGAC AACACCCCTG GTCGAATCTT	
Crepis	gcgcgt.... ..atctataa acttcttaac aaccacactg gtcggtctgtt	
	651	700
Stokesia	CATCTTGGTC ATCATGTTAA CCTTAGGATT TCCTTTATAC CTCTTAACGA	
Vernonia	CATTTTGCTT ATCATGTTGA CCTTGGGCTT TCCTTTATAC CTCTTGACCA	
Crepis	ggttttgatt atcatgttca ccctaggatt tcctttatac ctcttgacaa	
	701	750
Stokesia	ATGTTTCAGG CAAGAAGTAC GATAGATTTA CCAACCACTT TGATCCATTG	
Vernonia	ATATTTTCAGG CAAGAAATAC CAAAGGTTTG CCAACCACTT TGATCCGTTG	
Crepis	atattttccgg caagaaatac gacaggtttg ccaaccactt cgaccccatg	
	751	800
Stokesia	AGCCCGATCT TCACCGAGCG TGAGCGAATC CAGGTTGCGT TATCAGATCT	
Vernonia	AGCCCCATCT TCAGTGAGCG TGAACGAATC CAGGTCGTGC TATCGGATGT	
Crepis	agtccaattt tcaaagaacg tgagcggttt caggtcttcc tttcggatct	
	801	850
Stokesia	TGGTATCGTT GCAGTGTTTT ACGGACTCAA GTTTCTTGTA CAAACAAAAG	
Vernonia	GGGTCTCATT GCTGTGTTTT ACGGGCTTAA GTTTCTTGTA GCGAAAAAAG	
Crepis	tggtcttctt gccgtgtttt atggaattaa agttgctgta gcaaataaag	
	851	900
Stokesia	GATTTGGTTG GGTGATGTGC ATGTATGGAG TTCCAGTGAT AGGTCTGAAT	
Vernonia	GGTTCGGTTG GGTAATGCGC ATGTACGGAG CCCCAGTGGT TGGGCTGAAT	
Crepis	gagctgcttg ggtagcgtgc atgtatggag ttccggtatt aggcgtattt	
	901	950
Stokesia	TCCTTCATTA TCGTAATCAC TTATCTGCAC CACACACATC TGTCGTCACC	
Vernonia	GCCTTCATAA TAATGATCAC TTATCTCCAC CACACCCATC TGTCTTCGCC	
Crepis	acctttttcg atgtgatcac cttcttgacac cacacccatc agtcgtcgcc	
	951	1000
Stokesia	CCATTACGAT TCAACCGAAT GGAACGGAT CAAAGGAGCC TTGACCACAA	
Vernonia	TCATTACGAT TCGACCGAAT GGAACGGAT CAAAGGAGCC TTGACTACAA	
Crepis	tcattatgat tcaactgaat ggaactggat cagaggggcc ttgtcagcaa	
	1001	1050
Stokesia	TCGACAGAGA TTTCGGTCTC CTGAATCGGG TTTTCCACGA CGTTACACAC	
Vernonia	TCGATAGAGA TTTCGGTCTC CTGAATAGGG TGTTCCATGA CGTCACTCAC	
Crepis	tcgataggga ctttggttct ctgaatagtg ttttccatga tgttacacac	
	1051	1100
Stokesia	ACCCACGTGT TGCACCATTT GTTTCCCTAC ATTCCACATT ATCATGCAAA	
Vernonia	ACACACGTGT TGCATCATTT GTTCCCGTAC ATTCCACATT ATCATGCAAA	

Figure 1B

REPLACEMENT SHEET

Crepis	actcatgtca tgcatacattt gttttcatac attccacact atcatgcaaa	
	1101	1150
Stokesia	GGAGGCAAGC GAGGCCATCA AGCCAATCTT GGGTGATTAC AGGATGATCG	
Vernonia	GGAGGCGAGC GACGCAATAA AGCCGGTGTT AGGGGAGTAT CGGATGATCG	
Crepis	ggaggcaagg gatgcaatca agccaatctt gggcgacttt tatatgatcg	
	1151	1200
Stokesia	ACAGGACTCC ATTTTTCAAA GCAATGTGGA GAGAGGCCAA GGAATGCATT	
Vernonia	ATAGGACTCC GTTTTACAAA GCAATGTGGA GAGAGGCGAA GGAATGCATC	
Crepis	acaggactcc aatttttaaaa gcaatgtgga gagagggcag ggagtgcattg	
	1201	1250
Stokesia	TACATCGAGC AAGATGCAGA CAGCAAGCAC AAAGGGACAT ATTGGTACCA	
Vernonia	TACATCGAGC CAGATGAAGA TAAGAAGCAC AAAGGTGTAT ATTGGTACCA	
Crepis	tacatcgagc ctgat..... .agcaagctc aaaggtgttt attggtatca	
	1251	1300
Stokesia	TAAAATGTAA TCGATGATGG AGTTTAGTTG GAAATAATGA CATGCAGCAT	
Vernonia	TAAAATGTGA TACGAGCTGA GTACGTAGTA CGTTGTATGC TTTTGTAAACG	
Crepis	taaattgtga tcatatgcaa aatgcacatg cattttcaaa ccctctagtt	
	1301	1350
Stokesia	CCCTTTTGTA TGCTTGAATC GTTCTATTTT TTTATATGTT TTGTAAGATA	
Vernonia	TTTGTGAAGA TAAATAAATA AATCTTGAAT GAAGATAAAA AAAAAAAAAA	
Crepis	acgtttgttc tatgtataat aaaccgccgg tcctttggtt gactatgcct	
	1351	1400
Stokesia	AATAAGTAAA TCTTTGAGTG AAGATGGGGA GCAGGAAACA AGCAGAATAT	
Vernonia	AAAAAAAAAA AAAAAA~~~ ~~~~~~ ~~~~~~ ~~~~~~	
Crepis	aagccaggcg aaacagttaa ataatatcgg tatgatgtgt aatgaaagta	
	1401	1450
Stokesia	AATACGCTAA AAAAAAAAAA AAAAAAAAAA AAAAAAAA~~ ~~~~~~	
Vernonia	~~~~~ ~~~~~~ ~~~~~~ ~~~~~~ ~~~~~~	
Crepis	tgtggttgtc tggttttgtt gctatgaaag aaagtatgtg gttgtcggtc	

Figure 1C

REPLACEMENT SHEET

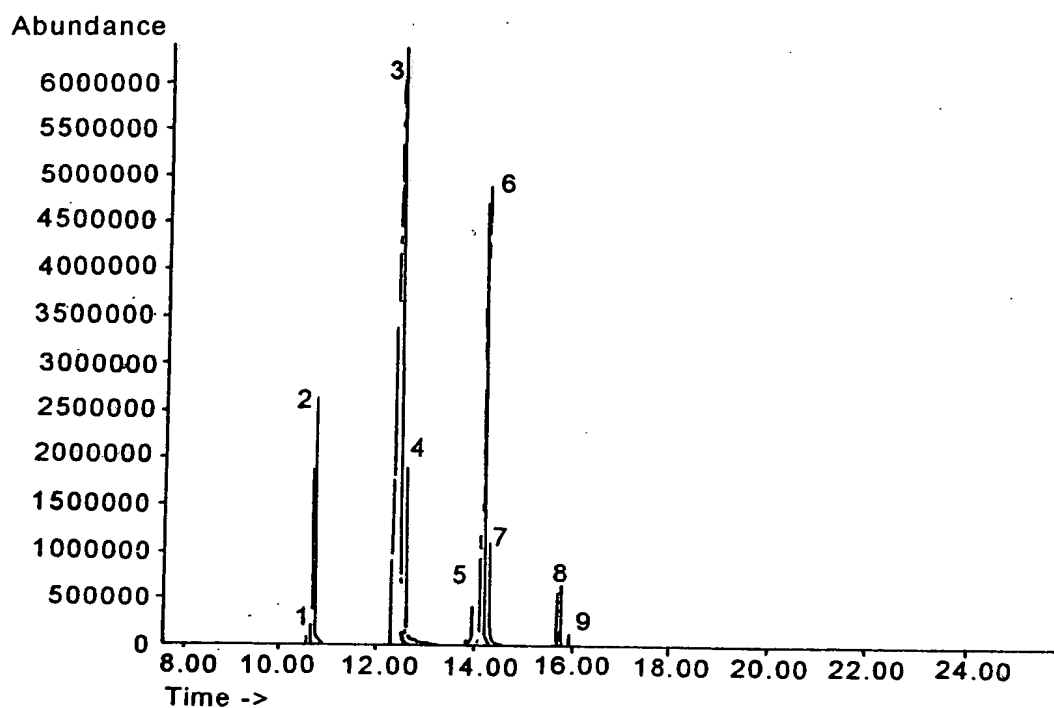


Figure 2A

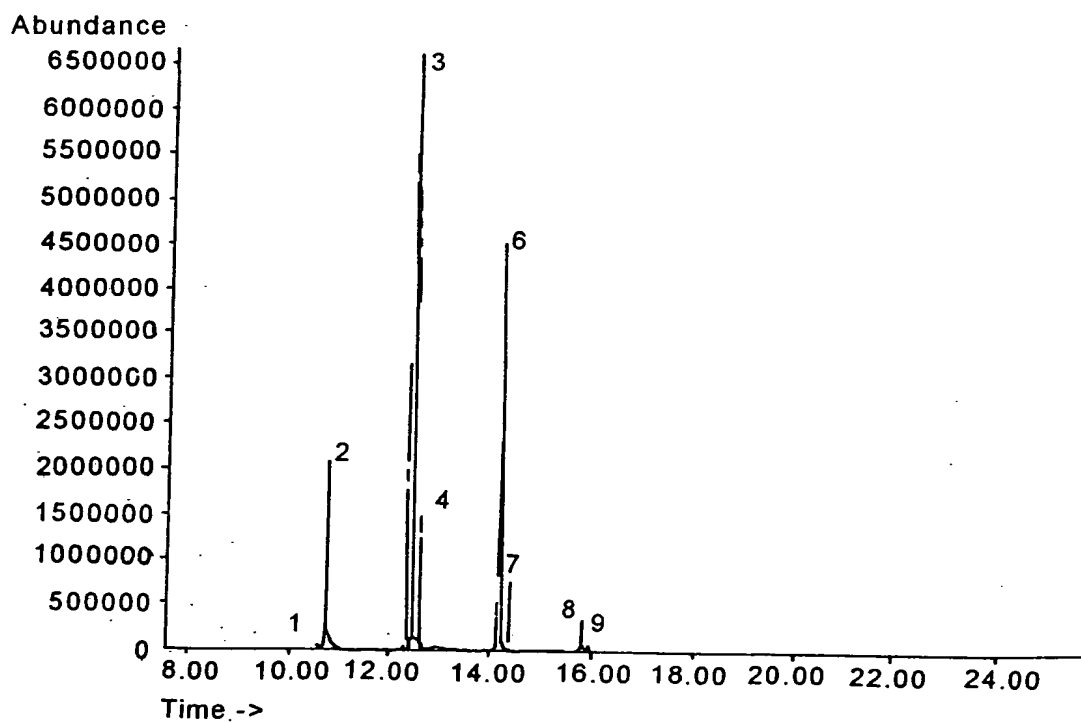


Figure 2B

Figure 2C

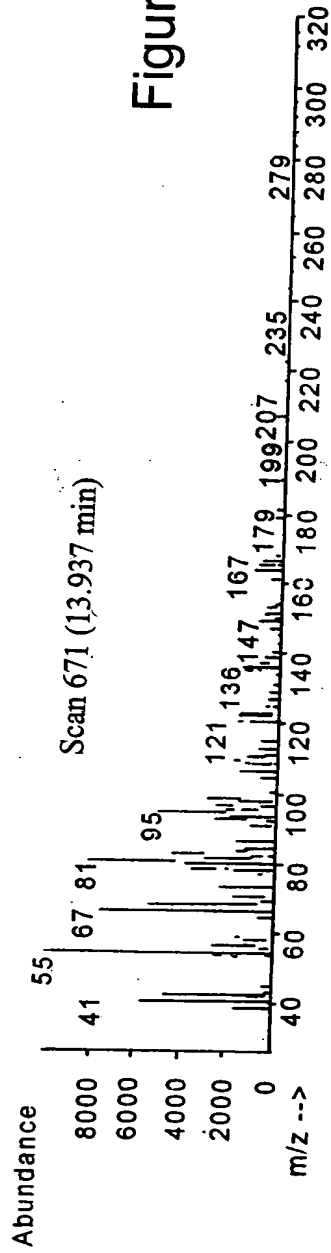
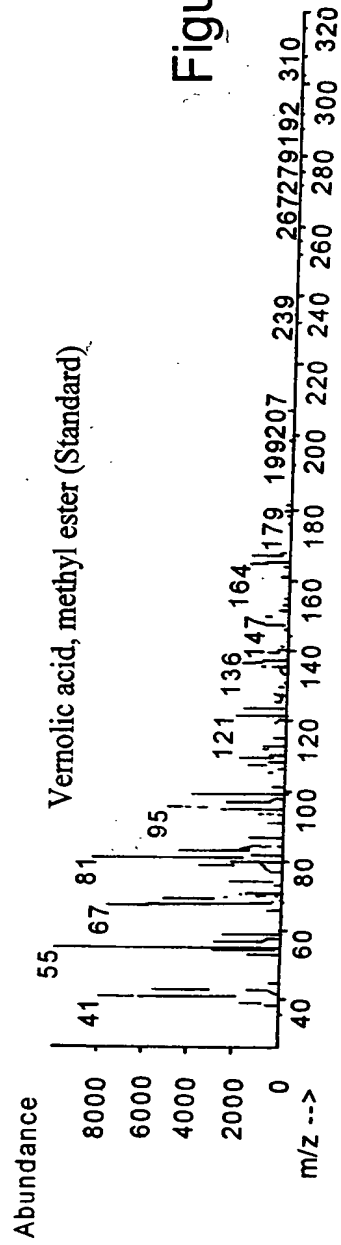
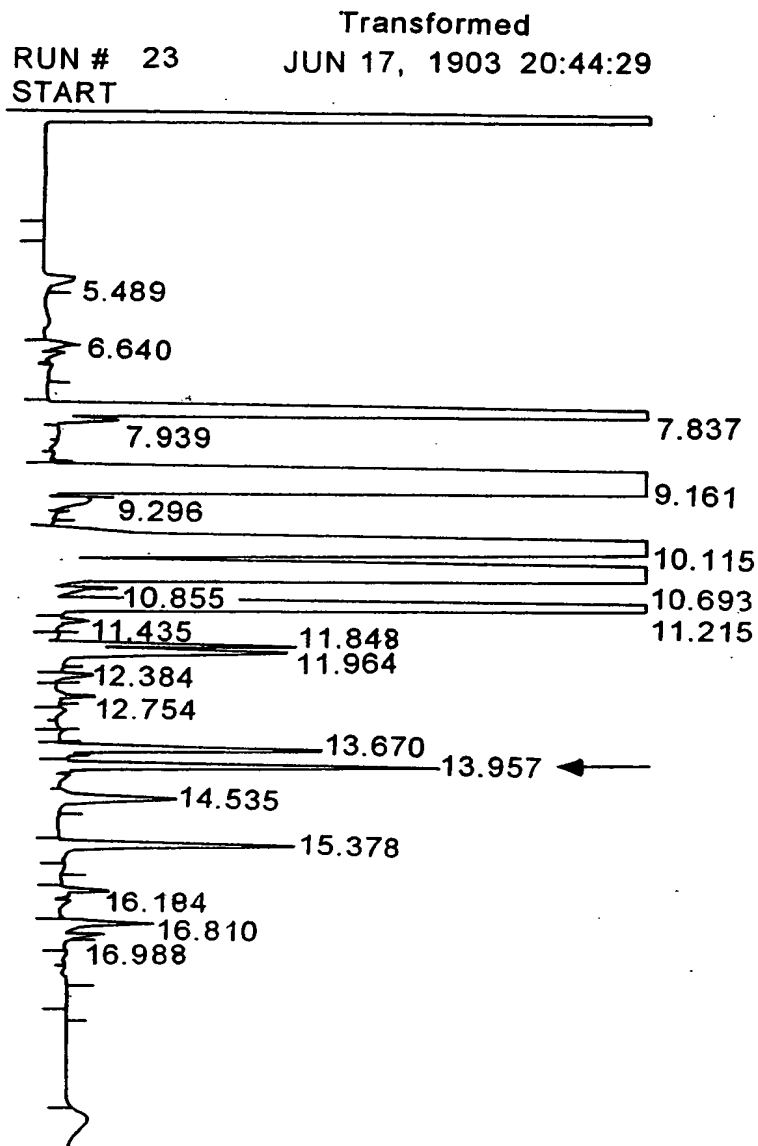


Figure 2D





RT	AREA	TYPE	WIDTH	AREA%
5.489	2422	PB	.100	.08095
6.640	2710	BV	.093	.09857
7.837	213917	BV	.101	7.14959
7.939	4303	VV	.977	.14382
9.161	1148278	PV	.217	38.37803
9.296	3801	VV	.068	.10030
10.115	329268	BV	.210	11.00461
10.693	859412	VV	.166	28.72348
10.855	4063	PV	.094	.13579
11.215	316476	VB	.095	10.57734
11.435	2001	PB	.077	.06688
11.848	13159	PV	.070	.43980
11.964	18519	VB	.103	.61895
12.384	1874	BB	.065	.06263
12.754	2144	BB	.067	.07166
13.670	14099	BB	.070	.47122
13.957	22166	PV	.075	.74084
14.535	10194	PB	.112	.34071
15.378	13162	PB	.072	.43990
16.184	3582	BV	.092	.11972
16.810	5476	PV	.078	.18302
16.988	1801	VB	.065	.06019

TOTAL AREA=2992019

MUL FACTOR=1.0000E+00

Figure 3A

REPLACEMENT SHEET

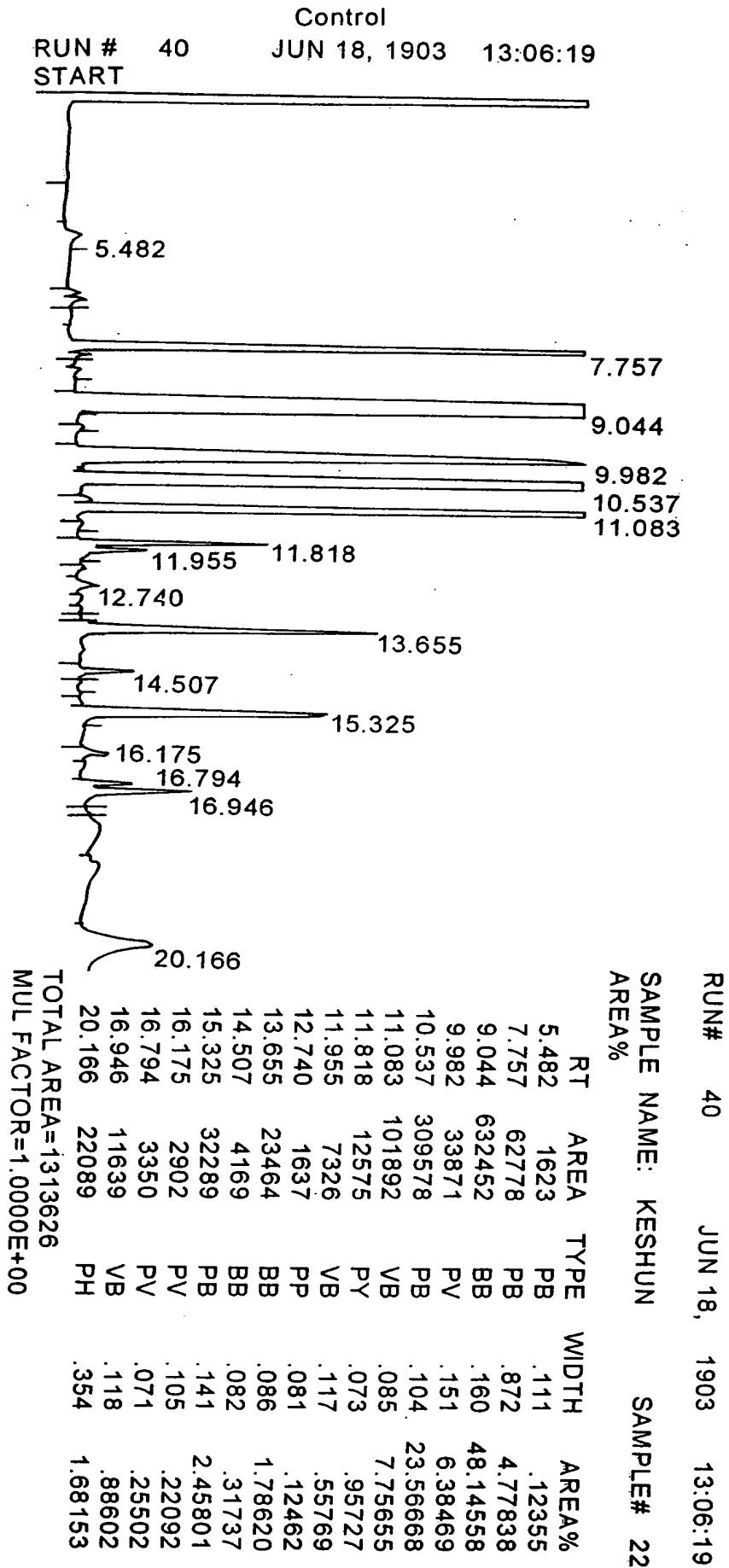


Figure 3B